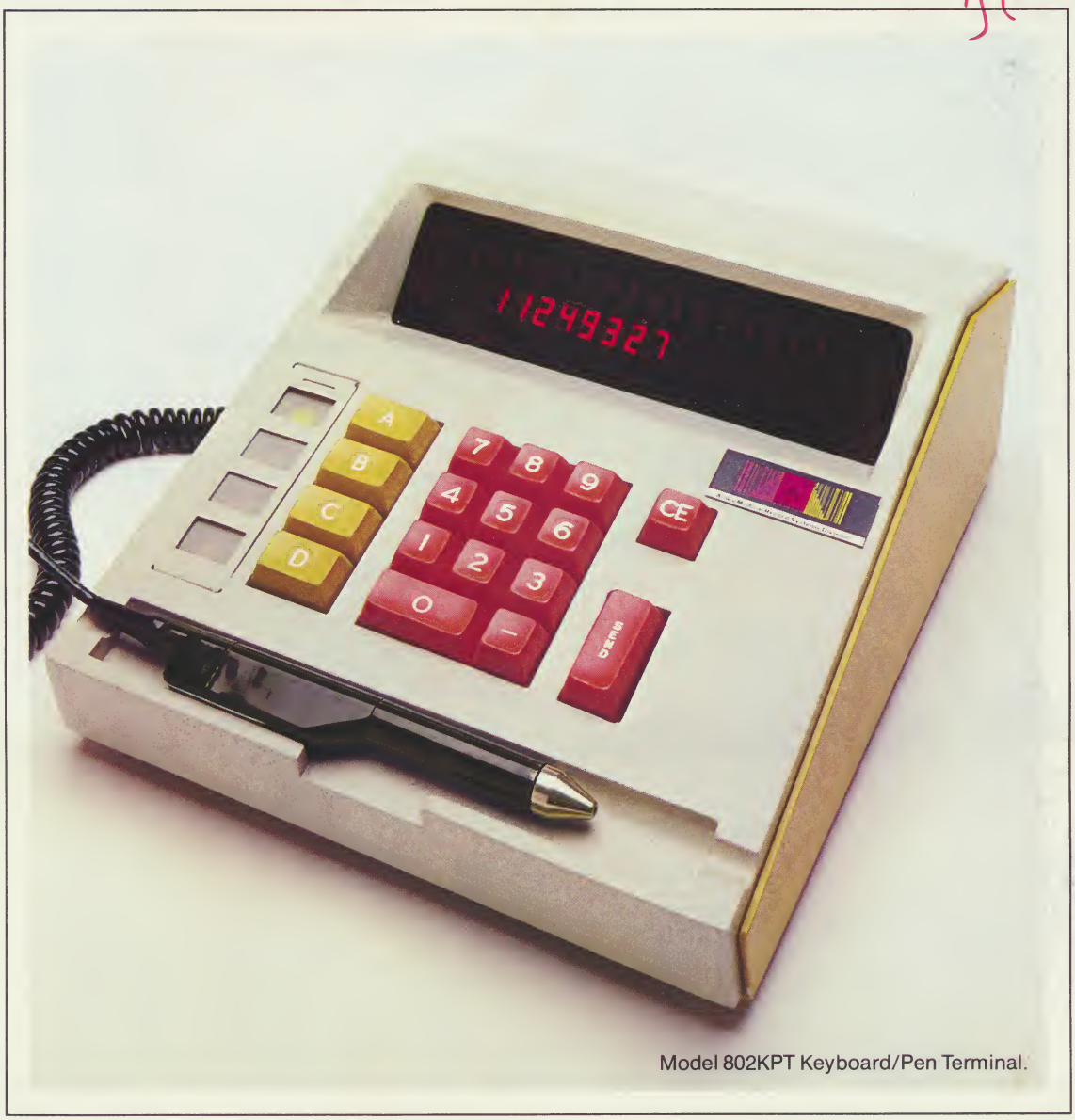
The Guiding Light Data Entry System.

$1200 w RS-232
Pen only (no KB & display)
~~$1760~~



Model 802KPT Keyboard/Pen Terminal.

System Philosophy.

The Guiding Light Data Entry System accumulates data by reading a bar code via a pen-like input. Designed to retain the accuracy of bar codes, the entry of data requires minimum operator skill and can be taught in minutes.

The Light Pen Terminal is easy to use. The light pen is simply stroked over the bar code, after which a tone lets the operator know that the data has been accepted. An important feature of the light pen terminals is their ability to receive data from the computer as well as transmit to it. This feature can be used to prompt the operator, signal inappropriate entries, or send messages.

The user can choose from two models. *The Model 801 Light Pen Terminal,* which provides entry from the bar code with only a minimum of response from the host computer, and the *Model 802 Keyboard/Pen Terminal,* which allows entry of data from a numeric keyboard in addition to light pen entry, and which can receive and display numeric messages from the computer by means of a standard data communications connector. Or, in systems requiring a number of terminals, the Ames *Model 810 Multiplexer* is available to concentrate up to sixteen terminals into a single computer port.

The Guiding Light Data Entry System consists of the following components:

1. Model 801PT Pen Terminal
2. Model 802KPT Keyboard Pen Terminal
3. Model 810TMB Terminal Multiplexer
4. Bar Code Label Printer

The components may be used in many combinations to give the user extreme flexibility in structuring a system which is most applicable to his needs.

Features

Guiding Light Data Entry Systems include:

- Multiple decoding ability to enable reading of mixed types of bar codes.
- Ability to receive and display up to fifteen numeric digits, plus four special annunciator lights for operator guidance.
- Synchronous or asynchronous communications.

Terminal Specifications.

The Light Pen:

Reading velocity range:	5 ips to 30 ips (i.e., 60-80 7 char. messages per minute)
Bar code format:	Choice of Ames; CODABAR™; UPC versions A,E, and Extended Distribution Code; others on special order
Reading angle normal to code:	0° to 45°
Pen tip characteristics:	Open aperture tip Replaceable high impact stainless steel
Ambient temperature:	0° to 50° Celsius
Relative humidity:	0 to 95%, noncondensing
Lamp type:	Infrared LED, 930 nm, replaceable
Ambient light:	Complete dark to indirect sunlight
Cable:	2′ coiled cord, extendable to 6′

The Keyboard:

Key characters (Model 801PT):	Four function keys, marked A,B,C,D Removable legend plates
Key characters (Model 802KPT):	Four function keys, marked A,B,C,D Removable legend plates Numeric keys: 0–9, (–) Clear Entry Key (CE) Send Key (SEND)
Key type:	Elastomeric contact
Key sequencing:	N-key rollover

The Display:

Displayed data (Model 801):	One of four selected functions Four remote controllable annunciator lights
Display data (Model 802):	One of four selected functions Four remote controllable annunciator lights 15 digit, 7-segment numeric display for display of key-entered data remote messages
Display type:	LED, red for annunciators and digits, yellow for functions

Communications.

Type:	Asynchronous bit serial; choice of full duplex RS-232C (with wiring as either data terminal or data set) or 20 ma current loop
Character structure:	Start bit 7 ASCII coded data bits Even parity Stop bit (1 or 2)
Transmission rate:	150, 300, 600, 1200, 2400, and 4800 baud, switch selectable

Other Features.

Audible tone generator:	16 selectable tones, to allow individual units to be distinguished Rear panel volume control Normally ½ second duration
Data memory:	256 character positions available to hold data so that entry can proceed even if computer is busy, application permitting

Physical Characteristics.

Power:	115/230 volts +/– 10%, 50-400 hz
Ambient temperature:	0-50°C
Humidity:	0-90%, noncondensing
Weight:	4 lbs.
Dimensions:	4″h x 9″w x 11″d

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AMES GUIDING LIGHT™ SYSTEM

WHAT IS THE GUIDING LIGHT?

The Guiding Light System is an extremely fast and virtually error-free means of data entry. When a hand-held light pen scans barcode representations of numerical data, the data are immediately transmitted to your computer. The intermediate step of time-consuming and potentially inaccurate key entry is eliminated. Data can be instantly and effortlessly entered into the computer by any employee, thereby increasing operational efficiency and opening up new areas for effective computer support.

HOW CAN YOU USE THE GUIDING LIGHT?

The Guiding Light System facilitates data entry for pre-assigned identifying numbers or numerical codes. For example, the movements of records or documents can easily be tracked both in and out of file. This enables you to immediately locate the one you need, and automatically provides you with the relevant overdue lists for effective file control. Other possible applications include:

- inventory and parts control
- order entry
- charge posting
- production control
- quality control
- library checkout

WHO SHOULD HAVE THE GUIDING LIGHT?

The Guiding Light System can make life easier for anyone responsible for recording coded data or for monitoring the movement of identifiable material. The System should be of particular value to:

- insurance companies
- banks
- hospitals and clinical labs
- warehouses
- manufacturing facilities
- government agencies
- libraries
- record departments within any type of organization

HOW CAN YOU FIND OUT MORE ABOUT THE GUIDING LIGHT?

Just contact your Ames representative. If you need assistance in determining your best use of the System or in establishing the hardware requirements, you will be placed in contact with Ames' systems consultants.

Ames Guiding Light System . . . . . *There's a lot more to Ames than Color-Files.*

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